



#6/12/02  
D. D. D. D.  
6/24/02

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Approved for use through 10/31/2002. OMB 0651-0031  
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

|   |   |                          |                 |
|---|---|--------------------------|-----------------|
| Substitute for form 1449A/PTO   |   | <b>Complete if Known</b> |                 |
| <b>INFORMATION DISCLOSURE<br/>STATEMENT BY APPLICANT</b><br>(use as many sheets as necessary) |   | Application Number       | 09/882,624      |
|   |   | Filing Date              | June 15, 2001   |
|   |   | First Named Inventor     | Ian Wylie       |
|   |   | Art Unit                 | 2813            |
|   |   | Examiner Name            | Kielin, Erik J. |
|   |   | Attorney Docket Number   | WYLIE 5         |
| Sheet   | 1 | of                       | 1               |

| U.S. PATENT DOCUMENTS |                       |  |                                |  |   |
|-----------------------|-----------------------|--|--------------------------------|--|---|
| Examiner Initials*    | Cite No. <sup>1</sup> | Document Number                            | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines, Where<br>Relevant Passages or Relevant<br>Figures Appear |
|                       |                       | Number - Kind Code <sup>2</sup> (if known) |                                |  |   |
| EK                    |                       | US- 6,346,729 B1                           | 02/12/2002                     | Liang et al.                                       |   |
|                       |                       | US- 6,344,669 B1                           | 02/05/2002                     | Pan  |   |
|                       |                       | US- 6,271,566 B1                           | 08/07/2001                     | Tsuchiaki  |   |
|                       |                       | US- 6,013,936                              | 01/11/2000                     | Colt, Jr.  |   |
|                       |                       | US- 5,834,793                              | 11/10/1998                     | Shibata  |   |
|                       |                       | US- 5,258,642                              | 11/02/1993                     | Nakamura   |   |
|                       |                       | US- 5,086,322                              | 02/04/1992                     | Ishii et al.                                       |   |
|                       |                       | US- 4,992,843                              | 02/12/1991                     | Blossfeld et al.                                   |   |
|                       |                       | US- 4,769,687                              | 09/06/1988                     | Nakazato et al.                                    |   |
|                       |                       | US-  |                                |  |   |
|                       |                       | US-  |                                |  |   |
|                       |                       | US-  |                                |  |   |
|                       |                       | US-  |                                |  |   |
|                       |                       | US-  |                                |  |   |
|                       |                       | US-  |                                |  |   |
|                       |                       | US-  |                                |  |   |
|                       |                       | US-  |                                |  |   |
|                       |                       | US-  |                                |  |   |
|                       |                       | US-  |                                |  |   |
|                       |                       | US-  |                                |  |   |

| FOREIGN PATENT DOCUMENTS       |                       |   |                                |  |   |                |
|--------------------------------|-----------------------|---|--------------------------------|--|---|----------------|
| Examiner Initials <sup>*</sup> | Cite No. <sup>1</sup> | Foreign Patent Document   | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines,<br>Where Relevant Passages<br>or Relevant Figures Appear | T <sup>6</sup> |
|                                |                       | Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (if known) |                                |  |   |                |
| EK                             |                       | JP 5-335329   | 12/17/1993                     | Sakakibara   |   |                |
| EK                             |                       | JP 5-343415   | 12/24/1993                     | Matsumoto  |   |                |
|                                |                       |   |                                |  |   |                |
|                                |                       |   |                                |  |   |                |
|                                |                       |   |                                |  |   |                |
|                                |                       |   |                                |  |   |                |
|                                |                       |   |                                |  |   |                |
|                                |                       |   |                                |  |   |                |
|                                |                       |   |                                |  |   |                |
|                                |                       |   |                                |  |   |                |
|                                |                       |   |                                |  |   |                |
|                                |                       |   |                                |  |   |                |
|                                |                       |   |                                |  |   |                |
|                                |                       |   |                                |  |   |                |
|                                |                       |   |                                |  |   |                |
|                                |                       |   |                                |  |   |                |
|                                |                       |   |                                |  |   |                |
|                                |                       |   |                                |  |   |                |
|                                |                       |   |                                |  |   |                |
|                                |                       |   |                                |  |   |                |
|                                |                       |   |                                |  |   |                |
|                                |                       |   |                                |  |   |                |
|                                |                       |   |                                |  |   |                |
|                                |                       |   |                                |  |   |                |
|                                |                       |   |                                |  |   |                |
|                                |                       |   |                                |  |   |                |
|                                |                       |   |                                |  |   |                |
|                                |                       |   |                                |  |   |                |
|                                |                       |   |                                |  |   |                |
|                                |                       |   |                                |  |   |                |
|                                |                       |   |                                |  |   |                |
|                                |                       |   |                                |  |   |                |
|                                |                       |   |                                |  |   |                |
|                                |                       |   |                                |  |   |                |
|                                |                       |   |                                |  |   |                |
|                                |                       |   |                                |  |   |                |
|                                |                       |   |                                |  |   |                |
|                                |                       |   |                                |  |   |                |
|                                |                       |   |                                |  |   |                |
|                                |                       |   |                                |  |   |                |
|                                |                       |   |                                |  |   |                |
|                                |                       |   |                                |  |   |                |
|                                |                       |   |                                |  |   |                |
|                                |                       |   |                                |  |   |                |
|                                |                       |   |                                |  |   |                |
|                                |                       |   |                                |  |   |                |
|                                |                       |   |                                |  |   |                |
|                                |                       |   |                                |  |   |                |
|                                |                       |   |                                |  |   |                |
|                                |                       |   |                                |  |   |                |
|                                |                       |   |                                |  |   |                |
|                                |                       |   |                                |  |   |                |
|                                |                       |   |                                |  |   |                |
|                                |                       |   |                                |  |   |                |
|                                |                       |   |                                |  |   |                |
|                                |                       |   |                                |  |   |                |
|                                |                       |   |                                |  |   |                |
|                                |                       |   |                                |  |   |                |
|                                |                       |   |                                |  |   |                |
|                                |                       |   |                                |  |   |                |
|                                |                       |   |                                |  |   |                |
|                                |                       |   |                                |  |   |                |
|                                |                       |   |                                |  |   |                |
|                                |                       |   |                                |  |   |                |
|                                |                       |   |                                |  |   |                |
|                                |                       |   |                                |  |   |                |
|                                |                       |   |                                |  |   |                |
|                                |                       |   |                                |  |   |                |
|                                |                       |   |                                |  |   |                |
|                                |                       |   |                                |  |   |                |
|                                |                       |   |                                |  |   |                |
|                                |                       |   |                                |  |   |                |
|                                |                       |   |                                |  |   |                |
|                                |                       |   |                                |  |   |                |
|                                |                       |   |                                |  |   |                |
|                                |                       |   |                                |  |   |                |
|                                |                       |   |                                |  |   |                |
|                                |                       |   |                                |  |   |                |
|                                |                       |   |                                |  |   |                |
|                                |                       |   |                                |  |   |                |
|                                |                       |   |                                |  |   |                |
|                                |                       |   |                                |  |   |                |
|                                |                       |   |                                |  |   |                |
|                                |                       |   |                                |  |   |                |
|                                |                       |   |                                |  |   |                |
|                                |                       |   |                                |  |   |                |
|                                |                       |   |                                |  |   |                |
|                                |                       |   |                                |  |   |                |
|                                |                       |   |                                |  |   |                |
|                                |                       |   |                                |  |   |                |
|                                |                       |   |                                |  |   |                |
|                                |                       |   |                                |  |   |                |
|                                |                       |   |                                |  |   |                |
|                                |                       |   |                                |  |   |                |
|                                |                       |   |                                |  |   |                |
|                                |                       |   |                                |  |   |                |
|                                |                       |   |                                |  |   |                |
|                                |                       |   |                                |  |   |                |
|                                |                       |   |                                |  |   |                |
|                                |                       |   |                                |  |   |                |
|                                |                       |   |                                |  |   |                |
|                                |                       |   |                                |  |   |                |
|                                |                       |   |                                |  |   |                |
|                                |                       |   |                                |  |   |                |
|                                |                       |   |                                |  |   |                |
|                                |                       |   |                                |  |   |                |
|                                |                       |   |                                |  |   |                |
|                                |                       |   |                                |  |   |                |
|                                |                       |   |                                |  |   |                |
|                                |                       |   |                                |  |   |                |
|                                |                       |   |                                |  |   |                |
|                                |                       |   |                                |  |   |                |
|                                |                       |   |                                |  |   |                |
|                                |                       |   |                                |  |   |                |
|                                |                       |   |                                |  |   |                |
|                                |                       |   |                                |  |   |                |
|                                |                       |   |                                |  |   |                |
|                                |                       |   |                                |  |   |                |
|                                |                       |   |                                |  |   |                |
|                                |                       |   |                                |  |   |                |
|                                |                       |   |                                |  |   |                |
|                                |                       |   |                                |  |   |                |
|                                |                       |   |                                |  |   |                |
|                                |                       |   |                                |  |   |                |
|                                |                       |   |                                |  |   |                |
|                                |                       |   |                                |  |   |                |
|                                |                       |   |                                |  |   |                |
|                                |                       |   |                                |  |   |                |
|                                |                       |   |                                |  |   |                |
|                                |                       |   |                                |  |   |                |
|                                |                       |   |                                |  |   |                |
|                                |                       |   |                                |  |   |                |
|                                |                       |   |                                |  |   |                |
|                                |                       |   |                                |  |   |                |
|                                |                       |   |                                |  |   |                |
|                                |                       |   |                                |  |   |                |
|                                |                       |   |                                |  |   |                |
|                                |                       |   |                                |  |   |                |
|                                |                       |   |                                |  |   |                |
|                                |                       |   |                                |  |   |                |
|                                |                       |   |                                |  |   |                |
|                                |                       |   |                                |  |   |                |
|                                |                       |   |                                |  |   |                |
|                                |                       |   |                                |  |   |                |
|                                |                       |   |                                |  |   |                |
|                                |                       |   |                                |  |   |                |
|                                |                       |   |                                |  |   |                |
|                                |                       |   |                                |  |   |                |
|                                |                       |   |                                |  |   |                |
|                                |                       |   |                                |  |   |                |
|                                |                       |   |                                |  |   |                |
|                                |                       |   |                                |  |   |                |
|                                |                       |   |                                |  |   |                |
|                                |                       |   |                                |  |   |                |
|                                |                       |   |                                |  |   |                |
|                                |                       |   |                                |  |   |                |
|                                |                       |   |                                |  |   |                |
|                                |                       |   |                                |  |   |                |
|                                |                       |   |                                |  |   |                |
|                                |                       |   |                                |  |   |                |
|                                |                       |   |                                |  |   |                |
|                                |                       |   |                                |  |   |                |
|                                |                       |   |                                |  |   |                |
|                                |                       |   |                                |  |   |                |
|                                |                       |   |                                |  |   |                |
|                                |                       |   |                                |  |   |                |
|                                |                       |   |                                |  |   |                |
|                                |                       |   |                                |  |   |                |
|                                |                       |   |                                |  |   |                |
|                                |                       |   |                                |  |   |                |
|                                |                       |   |                                |  |   |                |
|                                |                       |   |                                |  |   |                |

|                    |  |                 |         |
|--------------------|--|-----------------|---------|
| Examiner Signature |  | Date Considered | 12/5/02 |
|--------------------|--|-----------------|---------|

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.